



*STW*

00862.023115

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
SHIGERU MIZOGUCHI, ET AL. )  
Appln. No.: 10/608,001 )  
Filed: June 30, 2003 )  
For: IMAGE AREA EXTRACTION )  
METHOD, IMAGE )  
RECONSTRUCTION METHOD )  
USING THE EXTRACTION RESULT : February 7, 2008  
AND APPARATUS THEREOF )  
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PETITION UNDER 37 CFR § 1.84 (a)(2), AMENDMENT, AND  
SUBMISSION OF THREE SETS OF COLOR DRAWINGS

Sir:

In response to the December 13, 2007 Notice to File Corrected Application Papers, Applicants are submitting the required 1) Petition, 2) \$130 petition fee under 37 CFR § 1.17(h), 3) three sets of color drawings, and 4) Amendment.

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*Amendment*

In the Specification:

Please add the following paragraph at page 8, between lines 6 and 7 as the first paragraph of the Brief Description of the Drawings:

--The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.--.

*Petition Under 37 CFR § 1.84 (a)(2)*

Applicants petition the Commissioner accept the attached three sets of color drawings/photographs of Figures 10-17, 21, 23, 24, 32, and 33. The required Amendment and petition fee is also being submitted herewith.

Color drawings/photographs are necessary for the following reasons.

Among other aspects, the invention relates to the acquiring of chromaticity information and the searching for an image area of interest using the chromaticity information, as recited by a number of independent claims, such as Claim 1 and 9, which require color drawings to illustrate such chromaticity information. Thus, Figures 10-17, 21, 23, 24, 32, and 33 illustrate, in part, a) the results of a process of detecting pixels based on chromaticity, and/or b) the results of a process of detecting an image based on a combination of frequency components and chromaticity and more specifically the process of extracting candidates of interest based on the continuity of chromaticity relevant blocks.

For example, Fig. 11 illustrates a result that is obtained when performing conventional color image processing on a color picture of Fig. 10. Figs. 12 and 13 illustrate a result obtained when performing color image processing operations of the present invention on the color picture of Fig. 10. Fig. 15 illustrates a result obtained when performing conventional color image processing on the color picture of Fig. 14, while Figs. 16 and 17 illustrate a result obtained when performing color image processing operations of the present invention on the color picture of Fig. 14.

In addition, these color drawings illustrate different results obtained by the color image processing of color images, some of which include a target image portion (for example, a

human face), and others of which do not include such a target image portion. For example, Figs. 12 and 13 illustrate the results obtained when performing color image processing on the color picture of Fig. 10, which includes a human face, while, on the other hand, Figs. 16 and 17 illustrate the results obtained when performing color image processing on the picture of Fig. 14, which does not include a human face.

The photograph on the left in Fig. 21 illustrates an original color image, while the photograph on the right illustrates the result obtained when performing conventional color image processing on the original image to extract a boundary based on frequency for extracting a face from the original image. The photograph on the left in Fig. 23 illustrates an original color image, while the photograph on the right illustrates a result obtained when performing a color image processing operation according to the present invention on the original image for extracting a face from the original image.

The photograph on the left in Fig. 24 illustrates an original color image that has been subject to normal image correction processing, while the photograph on the right illustrates a color image of the same scene that has been subject to an image-of-interest (for example, a human face) correction processing.

Figs. 32 and 33 illustrate the results obtained when performing image-of-interest detection, color-image processing as changing parameters. More specifically, Fig. 32 illustrates a result obtained when performing image-of-interest detection, color-image processing as changing parameters on the color image of Fig. 10, which includes a target image portion (for example, a human face), while Fig. 33 illustrates a result obtained when performing a different image-of-interest detection, color-image processing as changing

parameters on Fig. 14, which does not include a target image portion.

*Conclusion*

Since Applicants have filed the required 1) Petition explaining why color drawings are necessary, 2) \$130 petition fee under 37 CFR § 1.17(h), 3) three sets of color drawings, and 4) Amendment, under 37 CFR § 1.84 (a)(2), Applicants respectfully request that the Notice be withdrawn, that the case be acknowledged as being complete, and that the case be prepared for issuance.

Any additional fee required in connection with this paper should be charged to Deposit Account No. 06-1205.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

/Gary M. Jacobs/

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